

## Year 7 Design & Technology - Timbers & Key Keeper Design Learning Programme 4

<p>The LORIC skill focus for this LP is: INITIATIVE. The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles. I will show integrity by taking responsibility for my actions. Gratitude - Feeling and expressing thanks. I will show gratitude by saying please and thank you.</p> <p><b>What will I be learning about in this Learning Programme?</b> The source, categories and types of timbers. The environmental impact of using timbers to make products. The equipment used to make different cuts in timbers. Workshop safety. The methods of exploring a context and communicating design ideas.</p> <p><b>Where have I seen this learning before?</b> In KS2 design &amp; technology you will have completed design and practical tasks using a range of modelling materials.</p> <p><b>What could I use it for?</b> You can use timber materials to manufacture products in design &amp; technology over your next 7 years; you will apply your knowledge of timbers in the GCSE Design &amp; Technology exam. You can use hand tools to repair and create timber items in your everyday life.</p>		<p><b>Literacy Non-Negotiables:</b></p> <ul style="list-style-type: none"> <li>• Capital letters must be used at the start of sentences and for the first letter of proper nouns</li> <li>• Full stops must be used at the end of a sentence</li> <li>• Question marks must be used at the end of a question</li> <li>• Apostrophes should only be used for possession or omission</li> <li>• Days of the week and months must be spelled correctly</li> <li>• Key words must be spelled correctly</li> <li>• Vocabulary to be taught using the Frayer model</li> </ul>
<p><b>In LP4.1, I will know:</b> 09/03/26 - (WK 2)</p> <p>the source of timbers and how they are processed; how using timber can have impact on the environment; I will show compassion when discussing this.</p>	<p><b>Frayer Model Words</b></p> <p>Timber</p>	<p><b>Homework</b></p> <p>Timber Processing.</p>
<p><b>In LP4.2, I will know:</b> 16/03/26 - (WK 1)</p> <p>the differences between hardwood and softwood timbers.</p>	<p><b>Frayer Model Words</b></p> <p>Deciduous</p>	<p><b>Homework</b></p> <p>The impact of timber use on the environment.</p>
<p><b>In LP4.3, I will know:</b> 23/03/26 - (WK 2)</p> <p>about different types of timbers and their uses; the differences between natural timber and manufactured boards.</p> <p>Extended Task.</p>	<p><b>Frayer Model Words</b></p> <p>MDF Medium density fibreboard</p>	<p><b>Homework</b></p> <p>Timber categories.</p>
<p><b>In LP4.4, I will know:</b> 13/04/26 - (WK 1)</p> <p>how to work safely in a workshop by starting a timbers practical task; how to use different saws for different types of cuts.</p>	<p><b>Frayer Model Words</b></p> <p>Grain</p>	<p><b>Homework</b></p> <p>Manufactured boards.</p>
<p><b>In LP4.5, I will know:</b> 20/04/26 - (WK 2)</p> <p>how to use the 5W strategy to explore the key keeper project.</p>	<p><b>Frayer Model Words</b></p> <p>Context</p>	<p><b>Homework</b></p> <p>Health &amp; safety in the workshop.</p>
<p><b>In LP4.6, I will know:</b> 27/04/26 - (WK 1)</p> <p>how to evaluate existing key keeper products.</p> <p>Extended Task.</p>	<p><b>Frayer Model Words</b></p> <p>Aesthetics</p>	<p><b>Homework</b></p> <p>Product analysis of key holder products.</p>
<p><b>In LP4.7, I will know:</b> 04/05/26 - (WK 2)</p> <p>how to draw in oblique and isometric projection; how to present a range of key keeper design ideas and label the key features of my designs.</p>	<p><b>Frayer Model Words</b></p> <p>Isometric</p>	<p><b>Homework</b></p> <p>Isometric drawing.</p>
<p><b>Resources to support learning:</b> The following websites contain extensive revision material and information to increase design &amp; technology subject knowledge: <a href="http://www.technologystudent.com">www.technologystudent.com</a>; <a href="http://www.mr-dt.com">www.mr-dt.com</a>; <a href="http://www.bbc.co.uk/bitesize">www.bbc.co.uk/bitesize</a>.</p>		
<p><b>FFET Award Challenge for this Learning Programme:</b> Create a collage to show the difference between hardwoods and softwoods.</p>		

